

CTE Skill Certificate Test Performance Documentation

This document must be submitted to the test coordinator along with the test scan sheets at the time of testing. It will be submitted to the USOE for the audit and a copy kept on file for two years.

Course: Machine Tool: Lathe
Test Number: 582
School:
Instructor's Name:

Students in course:
Students tested:
Date:

This is to verify that the students on the attached class roll* accomplished the following performance objectives at or above the 80% (moderately to highly skilled) level.

1. Students will be able to understand safe practices and professional machine shop procedures.
 - Follow safety manuals and all safety regulations and requirements.
 - Use protective equipment.
 - Follow safe operating procedures for hand and power machine tools.
 - Maintain a clean and safe work environment.
 - Request a courtesy UOSHA or State Risk Management inspection at least every 2 years.
2. The student will be able to apply mathematical concepts.
 - Perform basic arithmetic functions - Add, subtract, multiply, and divide.
 - Convert fractions to decimal equivalents.
 - Convert metric to inch measurements.
 - Calculate speeds and feeds for machining.
 - Locate basic machining points from a Datum Point.
 - Calculate for direct, simple, and angular indexing.
3. The student will be able to interpret engineering drawings and control documents.
 - Review blueprint notes and dimensions.
 - Identify basic layout of drawings.
 - Identify basic types of drawings.
 - List the purpose of each type of drawing.
 - Verify drawing elements.
 - Practice geometric dimensioning and tolerancing (GD&T) methodology.
4. The student will be able to recognize different manufacturing materials and processes.
 - Identify common materials and explain their desired properties.
5. The student will be able to properly perform measurement/inspection.
 - Select proper measurement tools as they best relate to part characteristics and specified accuracy.
 - Apply proper measuring techniques.
 - Accurately perform measurements with hand-held instruments.
 - Accurately perform measurements on surface plate.
6. The student will be able to understand planning and hand tools.
 - Prepare and plan for machining operations.
 - Demonstrate proper use of hand tools.
7. The student will be able to understand and demonstrate the use of metal lathes.
 - Demonstrate proper use of metal lathes.

Each performance is documented and kept on file for two years. (check one or more)

- ☐ Individual student performance tracking sheets
- ☐ A class period summary score sheet
- ☐ Recorded and identified in the class grade book

Instructor's Signature: _____

*Attach a copy of the class period roll and draw a single line through any student on the roll not accomplishing ALL required performance objectives at the 80% (moderately to highly skilled) level.